

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In re application of:  
Eugene P. Marsh et al.

Serial No.: Not Assigned

Filed: May 18, 2004

For: **SURFACE TREATMENT OF AN OXIDE  
LAYER TO ENHANCE ADHESION OF A  
RUTHENIUM METAL LAYER**

§  
§ Group Art Unit: Not Assigned  
§  
§ Examiner: Not Assigned  
§  
§ Atty. Docket: 2002-0717.01/US  
§  
§  
§

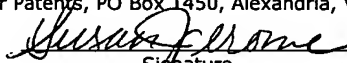
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

**Certificate of Express Mailing (37 CFR §1.10)**

"Express Mail" mail number: ET658402980US

Date of Deposit: May 18, 2004

I hereby certify that this paper is being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service under 37 CFR §1.10 on the date indicated above and is addressed to the Commissioner for Patents, PO Box 1450, Alexandria, VA 22313-1450.

  
Signature

**INFORMATION DISCLOSURE STATEMENT**

In compliance with the duty of disclosure under 37 C.F.R. § 1.56, Applicants respectfully request that this Information Disclosure Statement be entered and that the references listed on the attached Form PTO-1449 be considered by the Examiner and made of record. Per the PTO's waiver of the requirement under 37 CFR 1.98 (a)(2)(i) for submitting a copy of each cited U.S. patent and each U.S. patent application publication for all U.S. national patent applications filed after June 30, 2003, copies of the listed references are not enclosed.

In accordance with 37 C.F.R. § 1.97(g), this Information Disclosure Statement is not to be construed as a representation that a search has been made or that no other possible material information as defined in 37 C.F.R. § 1.56(a) exists.

The following references are cited for the Examiner's review:

**U.S. Patents**

<b>U.S. Patent No.</b>	<b>Issue Date</b>	<b>Inventor</b>
6,541,067	04/01/2003	Marsh et al.
6,521,772	02/18/2003	Lienhard et al.
6,495,458	12/17/2002	Marsh
6,462,367	10/08/2002	Marsh et al.
6,461,909	10/08/2002	Marsh et al.
6,421,223	07/16/2002	Marsh
6,403,414	06/11/2002	Marsh
6,323,511	11/27/2001	Marsh
6,284,655	09/04/2001	Marsh
6,281,161	08/28/2001	Marsh
6,218,297	04/17/2001	Marsh
6,204,172	03/20/2001	Marsh
6,197,628	03/06/2001	Vaartstra et al.
6,114,557	09/05/2000	Uhlenbrock et al.
5,990,559	11/23/1999	Marsh
5,962,716	10/05/1999	Uhlenbrock et al.
5,861,677	01/19/1999	You et al.
5,604,158	02/18/1997	Cadien et al.
5,436,200	07/25/1995	Tanaka

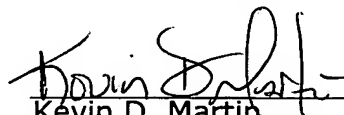
As this information is being submitted within three months of the date of filing of the application, Applicant understands that no fee or certification is required for the submission and consideration of this information at this time.

If there are any matters which may be resolved or clarified through telephone interview, the Examiner is respectfully requested to contact Applicant's undersigned attorney at the number indicated.

\* \* \* \*

A Form PTO-1449 is enclosed herewith.

Respectfully submitted,



Kevin D. Martin

Agent for Applicant  
Registration No. 37,882  
Micron Technology, Inc.  
PO Box 6  
Boise, ID 83707-0006  
Ph: (208) 368-4516  
FAX: (208) 368-5606  
e-mail: kmartin@micron.com

FORM: PTO-1449 (REV: 7-80)	U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE	Atty Docket No: <b>2002-0717.01/US</b>	Serial No: Not Assigned
<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>		Applicant: <b>Eugene P. Marsh et al.</b>	
(37 CFR 1.98(b))		Filing Date: <b>May 18, 2004</b>	Group: Not Assigned
<i>(use several sheets if necessary)</i>			

**U.S. PATENT DOCUMENTS**

Examiner Initial	Document Number	Date	Name	Class	Subclass	
	AA	6,541,067	04/01/2003	Marsh et al.	427	252
	AB	6,521,772	02/18/2003	Lienhard et al.	556	136
	AC	6,495,458	12/17/2002	Marsh	438	681
	AD	6,462,367	10/08/2002	Marsh et al.	257	295
	AE	6,461,909	10/08/2002	Marsh et al.	438	238
	AF	6,421,223	07/16/2002	Marsh	361	306.3
	AG	6,403,414	06/11/2002	Marsh	438	239
	AH	6,323,511	11/27/2001	Marsh	257	295
	AI	6,284,655	09/04/2001	Marsh	438	681
	AJ	6,281,161	08/28/2001	Marsh	502	339
	AK	6,218,297	04/17/2001	Marsh	438	654
	AL	6,204,172	03/20/2001	Marsh	438	653
	AM	6,197,628	03/06/2001	Vaartstra et al.	438	238
	AN	6,114,557	09/05/2000	Uhlenbrock et al.	556	21
	AO	5,990,559	11/23/1999	Marsh	257	768
	AP	5,962,716	10/05/1999	Uhlenbrock et al.	556	16
	AQ	5,861,677	01/19/1999	You et al.	257	783
	AR	5,604,158	02/18/1997	Cadien et al.	438	645
	AS	5,436,200	07/25/1995	Tanaka	438	654

**FOREIGN PATENT DOCUMENTS**

Examiner Initial	Document Number	Date	Country	Class	Subclass	Translation	
						Yes	No
	AT					<input type="checkbox"/>	<input type="checkbox"/>
	AU					<input type="checkbox"/>	<input type="checkbox"/>

Initial

**OTHER REFERENCES** (including author, title, date, pertinent pages, etc.)

	AV	
	AW	

Examiner:	Date Considered:
-----------	------------------

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication with applicant.